

ABSTRACT

The invention concerns a method for determining the reclose time of a circuit breaker on a three-phase high-voltage electric network after separation of contacts 7A, 8A, 7B, 8B, 7C, 8C in the presence of a fault on one of the three phases A, B or C, the determination of the reclose time comprising the following steps:

- 10 - measuring the voltages  $U_{LA0}$ ,  $U_{LB0}$  and  $U_{LC0}$ ,
- measuring voltage  $U_{SA0}$ ,
- determining the voltage  $U_{SA0}$ ,  $U_{SB0}$ , and  $U_{SC0}$ ,
- calculating the differences  $U_{LAB}$ ,  $U_{LAC}$  and  $U_{LBC}$ ,
- calculating the differences  $U_{SAB}$ ,  $U_{SAC}$ , and  $U_{SBC}$ ,
- 15 - determining the reclose time on the basis of the voltage differences.

Figure 2